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7 /	Application No.	Applicant(s)	
Nadia 6 Allanos Elitar	_10/603,427	WOODS ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Joseph L. Perrin, PhD	1746	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to <u>filing of 24 June 2003</u> .			
2. The allowed claim(s) is/are 10-20.			
<ul> <li>3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). <ul> <li>a) All</li> <li>b) Some* c) None of the:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> <li>Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.</li> <li>THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.</li> </ul> </li> <li>4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF</li> </ul>			
INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.			
<ul> <li>(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached</li> <li>1) ☐ hereto or 2) ☐ to Paper No./Mail Date</li> <li>(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of</li> </ul>			
Paper No /Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).			
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
Attachment(s)	5 17 11 11 11 11 11		
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Dotice of Draftperson's Patent Drawing Review (PTO-948)</li> </ol>	5. Notice of Informal Pa	, ,	D-152)
•	6.  ☐ Interview Summary ( Paper No./Mail Dato	e	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 20050113,20040628, 7004099	3), 7. 🛛 Examiner's Amendm	nent/Comment	
4.   Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	nt of Reasons for Allo	wance
of Biological Material	9.		



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# **EXAMINER'S COMMENT & EXAMINER'S AMENDMENT**

### Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - Claims 1-9, drawn to a method of processing an edge of a substrate, classified in class 134, subclass 21.
  - II. Claims 10-20, drawn to a system for processing an edge of a substrate, classified in class 134, subclass 95.2.
- 2. The inventions are distinct, each from the other because of the following reasons:
- 3. Inventions I and II are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case the process as claimed can be practiced by another apparatus such as one without a plurality of ports opening into the concave portion.
- 4. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 5. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

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6. During a telephone conversation between Examiner El-Arini and George Leavell on 9/20/05 a provisional election was made without traverse to prosecute the invention of Group II, claims 10-20. Claims 1-9 are withdrawn from further consideration by the

examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

7. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

### Examiner's Amendment

- 8. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
- 9. The application has been amended as follows:

Cancel claims 1-9.

# Allowable Subject Matter

10. The following is an examiner's statement of reasons for allowance: The closest prior art of record, U.S. Patent No. 6,575,177 to BROWN *et al.* & U.S. Patent No.

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6,523,553 to REDEKER *et al.*, fail to teach or reasonably suggest each and every limitation of the instant invention. Specifically, BROWN *et al.* discloses a wafer cleaning system comprising an edge roller with vacuum port for removing cleaning fluid.

REDEKER *et al.* discloses a wafer cleaning system comprising edge rollers and a concave cleaning portion with a fluid feed port and removal (suction) port. However, neither reference teaches or reasonably suggests a system having an edge roller and proximity head mounted on the roller, the head having a concave portion with at least one of each a process liquid injection port, vacuum port, and surface tension control port. For at least the foregoing reasons, claims 10-20 are believed to recite patentable subject matter.

- 11. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- 12. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### Conclusion

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: U.S. Patent No. 6,797,074 to REDEKER *et al.*, which is

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substantially cumulative to REDEKER cited above; U.S. Patent No. 5,861,066 to MOINPOUR *et al.*, which discloses applying cleaning fluid to an edge roller to clean a wafer edge; & U.S. Patent No. 4,968,375 to SATO *et al.*, which discloses applying fluid to an edge roller to treat a wafer edge.

- 14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph L. Perrin, PhD whose telephone number is (571)272-1305. The examiner can normally be reached on M-F 7:00-4:30, except alternate Fridays.
- 15. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael E. Barr can be reached on (571)272-1414. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
- 16. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

jlp

JOSEPH L. PERRIN, PH.D. PRIMARY EXAMINER

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